

AMENDMENTS TO THE CLAIMS

The following Listing of Claims, in which deleted text appears struck through and inserted text appears underlined, will replace all prior versions, and listings, of the claims in the application.

1. (Withdrawn) A peptide comprising a sequence of at least about 8 amino acids, wherein said peptide binds to a fluorophore dye.
2. (Withdrawn) The peptide according to claim 1, wherein said amino acids are naturally-occurring amino acids.
3. (Withdrawn) The peptide according to claim 1, wherein said fluorophore dye is selected from the group consisting of Texas Red, Rhodamine Red, Oregon Green 514, and Fluorescein.
4. (Withdrawn) The peptide according to claim 1, wherein said peptide is fused to a presentation structure.
5. (Withdrawn) The peptide according to claim 4, wherein said presentation structure comprises the sequence shown in SEQ ID NO:112.
6. (Withdrawn) A complex comprising a fluorophore dye and a peptide comprising a sequence of at least about 8 amino acids, wherein said dye is bound by said peptide.
7. - 13. (Canceled)
14. (Withdrawn) A method of binding a peptide to a fluorophore dye, comprising; contacting said fluorophore dye with said peptide, wherein said peptide comprises a sequence of at least about 8 amino acids that binds said fluorophore dye.

15. - 17. (Canceled)

18. (Withdrawn) A method of detecting a fluorette comprising

- a) contacting a fluorophore dye and fluorette comprising at least 8 amino acids under conditions wherein said dye and said fluorette bind to form a dye complex; and
- b) detecting the presence of said dye complex.

19. - 23. (Canceled)

24. **(Currently amended)** A peptide comprising an amino acid sequence, X_1 - X_2 - X_3 - X_4 -Y-W-T- X_5 -M-F-Y- X_6 , wherein said peptide specifically binds to Texas Red fluorophore dye, and

wherein,

X_1 is selected from the group consisting of K, N and T;

X_2 is selected from the group consisting of H, P, and N;

X_3 is selected from the group consisting of A and V;

X_4 is selected from the group consisting of H and Q;

X_5 is selected from the group consisting of H and Q;

X_6 is selected from the group consisting of S and T.

25. - 28. (Canceled)

29. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of KPVQYWTQMFYT (SEQ ID NO:15).

30. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of KHVQYWTQMFYS (SEQ ID NO:1).

31. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of KPAQYWTQMFYS (SEQ ID NO:16).

32. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of KNVQYWTQMFYT (SEQ ID NO:17).

33. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of KHVQYWTHMFYT (SEQ ID NO:18).

34. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of KHVQYWTQMFYT (SEQ ID NO:19).

35. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of NHVHYWTQMFYS (SEQ ID NO:20).

36. (Previously Presented) The peptide of claim 24, wherein the peptide comprises the amino acid sequence of THVQYWTQMFYS (SEQ ID NO:21).

37. (Previously Presented) The peptide of claim 24, wherein the amino acid sequence comprises naturally-occurring amino acids.

38. (Previously Presented) The peptide of claim 24, wherein the peptide is fused to a presentation structure.

39. (Previously Presented) A complex comprising a fluorophore dye and a peptide according to claim 24, wherein said dye is bound by said peptide.

40. (Previously Presented) A method of binding a peptide to a fluorophore dye, comprising;
contacting a fluorophore dye with the peptide according to claim 24;
wherein said contacting provides for binding of the peptide to the fluorophore dye.

41. (Previously Presented) A method of detecting a fluorette comprising:
contacting a fluorette with a fluorophore dye to form a fluorette-dye complex, wherein
the fluorette comprises a peptide according to claim 24;
detecting the presence of the dye complex.

42. (Previously Presented) The method of claim 40, wherein the fluorette is linked to a
target analyte.